

PATENT ABSTRACTS OF JAPAN

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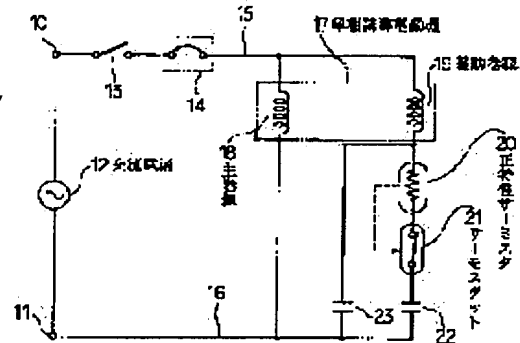
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(54) STARTER FOR SINGLE-PHASE INDUCTION MOTOR

(57)Abstract:

PURPOSE: To extremely reduce power consumption by starting a positive temperature coefficient thermistor connected in series with an auxiliary winding of a single-phase induction motor.

CONSTITUTION: A main winding 18 is connected between power source lines 15 and 16 of a single-phase induction motor 17 having the winding 18 and an auxiliary winding 19, and a series circuit of the winding 19, a positive temperature coefficient thermistor 20, a thermostat 21 and a starting capacitor 22 is connected between the lines 15 and 16. Heat generated from the thermistor 20 is sensed by the thermostat 21. Thus, when a starting current flows to the thermistor 20 through the winding 19, the thermistor 20 self-generates heat to reach about 140° C in several seconds, it is sensed by the thermostat 21 to perform an OFF operation.



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